

9 inputting a plurality of probe intensities, each of
10 said plurality of probe intensities being associated with a
11 nucleic acid probe and substantially proportional to said
12 associated nucleic acid probe hybridizing with said sample
13 sequence;

14 said computer system comparing at least one of said
15 plurality of probe intensities with said statistics; and
16 calling said unknown base according to results of said
17 comparing step.

1 58. The method of claim 57, further comprising the
2 step of calculating said statistics.

1 59. The method of claim 57, wherein said statistics
2 include a mean and standard deviation.--

REMARKS

Claims 1, 3-20 and 45-59 are pending in the subject application. Applicants canceled claims 2 and 21-44 without prejudice and reserve all right to pursue these or other claims in another application.

Respectfully submitted,

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